

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1317543

Luminaire Tested: LDSQA3D13R609827DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317543
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R609827DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

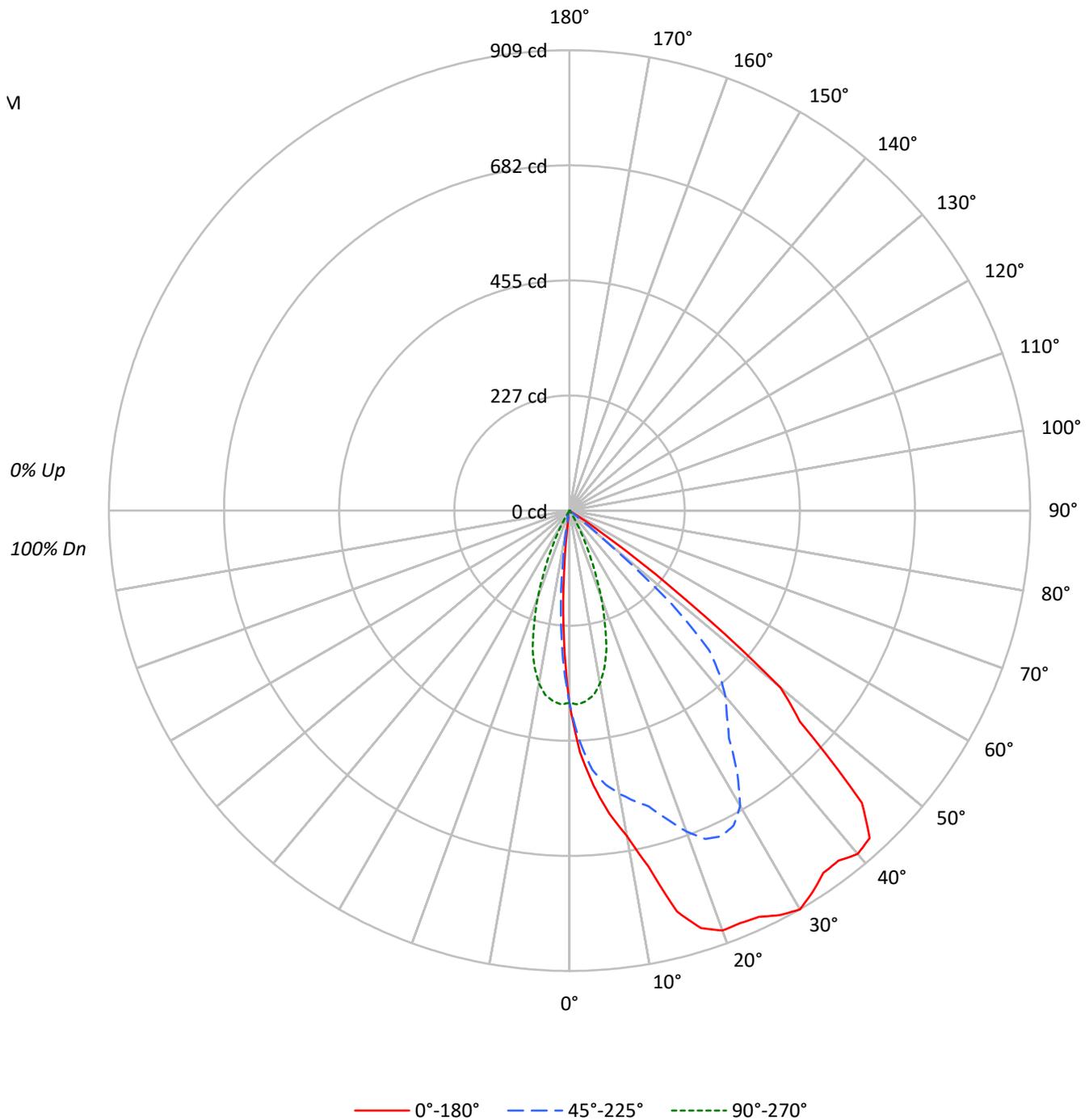
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 617.0 lumens
Efficiency: N/A
Efficacy: 42.6 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





TEST NUMBER: P1317543

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | 0 | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 96 | 94 | 93 | 91 |
| 2 | 105 | 100 | 95 | 91 | 103 | 98 | 93 | 90 | 94 | 91 | 88 | 91 | 88 | 86 | 89 | 86 | 84 | 89 | 86 | 84 | 82 |
| 3 | 99 | 91 | 85 | 80 | 96 | 89 | 84 | 79 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 78 | 76 | 82 | 78 | 76 | 74 |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 69 | 75 | 71 | 68 | 75 | 71 | 68 | 66 |
| 5 | 86 | 76 | 69 | 63 | 84 | 75 | 68 | 63 | 73 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 69 | 65 | 61 | 60 |
| 6 | 80 | 69 | 62 | 57 | 79 | 69 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 56 | 64 | 59 | 56 | 64 | 59 | 56 | 54 |
| 7 | 75 | 64 | 57 | 52 | 74 | 63 | 56 | 51 | 62 | 56 | 51 | 60 | 55 | 51 | 59 | 54 | 50 | 59 | 54 | 50 | 49 |
| 8 | 70 | 59 | 52 | 47 | 69 | 58 | 51 | 47 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 55 | 50 | 46 | 44 |
| 9 | 66 | 55 | 47 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 51 | 46 | 42 | 40 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 42 | 39 | 48 | 42 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 65376 | 65376 | 65376 | 65376 | 65376 |
| 5° | 94237 | 88757 | 65280 | 33625 | 21610 |
| 10° | 113986 | 99227 | 60596 | 4022 | 2361 |
| 15° | 146097 | 107799 | 50227 | 2657 | 2175 |
| 20° | 161686 | 123546 | 33668 | 1485 | 257 |
| 25° | 168155 | 134786 | 16551 | 133 | 0 |
| 30° | 180809 | 133936 | 4574 | 0 | 0 |
| 35° | 183628 | 115319 | 0 | 0 | 0 |
| 40° | 198944 | 107509 | 0 | 0 | 0 |
| 45° | 198745 | 94915 | 0 | 0 | 0 |
| 50° | 145513 | 22988 | 0 | 0 | 0 |
| 55° | 28405 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 285 | 285 | 0 | 0 |
| 70° | 0 | 352 | 352 | 0 | 0 |
| 75° | 0 | 466 | 466 | 0 | 0 |
| 80° | 0 | 694 | 694 | 694 | 0 |
| 85° | 0 | 1383 | 1383 | 1383 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 199061 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 32.6 | 5.3 |
| 10°-20° | 92.8 | 15.0 |
| 20°-30° | 147.9 | 24.0 |
| 30°-40° | 171.0 | 27.7 |
| 40°-50° | 135.8 | 22.0 |
| 50°-60° | 35.7 | 5.8 |
| 60°-70° | 0.3 | 0.0 |
| 70°-80° | 0.4 | 0.1 |
| 80°-90° | 0.4 | 0.1 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 273.4 | 44.3 |
| 0°-40° | 444.4 | 72.0 |
| 0°-60° | 616.0 | 99.8 |
| 0°-90° | 617.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 617.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 380 | 380 | 380 | 380 | 380 | |
| 5° | 545 | 513 | 378 | 194 | 125 | 55 |
| 15° | 819 | 605 | 282 | 15 | 12 | 228 |
| 25° | 885 | 709 | 87 | 1 | 0 | 413 |
| 35° | 873 | 548 | 0 | 0 | 0 | 555 |
| 45° | 816 | 390 | 0 | 0 | 0 | 581 |
| 55° | 95 | 0 | 0 | 0 | 0 | 143 |
| 65° | 0 | 1 | 1 | 0 | 0 | 0 |
| 75° | 0 | 1 | 1 | 0 | 0 | 0 |
| 85° | 0 | 1 | 1 | 1 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 379.6 | 379.6 | 379.6 | 379.6 | 379.6 | 379.6 | 379.6 | 379.6 | 379.6 | 379.6 | 379.6 |
| 2.5° | 477.6 | 482.3 | 480.3 | 478.2 | 473.5 | 471.5 | 471.5 | 466.1 | 457.3 | 455.9 | 449.9 |
| 5° | 545.1 | 546.5 | 546.5 | 545.1 | 541.7 | 536.3 | 535.0 | 529.6 | 521.5 | 513.4 | 505.3 |
| 7.5° | 603.9 | 603.2 | 599.1 | 596.4 | 590.4 | 582.9 | 576.2 | 568.8 | 556.6 | 545.8 | 534.3 |
| 10° | 651.8 | 653.9 | 650.5 | 643.7 | 635.6 | 625.5 | 614.7 | 601.8 | 583.6 | 567.4 | 552.5 |
| 12.5° | 719.4 | 718.7 | 709.9 | 698.4 | 678.9 | 659.9 | 643.1 | 628.9 | 606.6 | 587.0 | 568.8 |
| 15° | 819.4 | 818.0 | 809.9 | 799.8 | 771.4 | 743.0 | 714.0 | 674.1 | 637.0 | 604.6 | 578.9 |
| 17.5° | 864.6 | 867.3 | 860.6 | 855.2 | 838.9 | 820.0 | 794.4 | 754.5 | 697.1 | 638.3 | 584.3 |
| 20° | 882.2 | 885.5 | 880.8 | 880.1 | 872.7 | 863.9 | 843.0 | 799.8 | 743.7 | 674.1 | 607.3 |
| 22.5° | 881.5 | 884.2 | 882.2 | 891.0 | 899.7 | 895.0 | 869.3 | 826.1 | 768.7 | 701.8 | 626.2 |
| 25° | 884.9 | 882.8 | 875.4 | 888.3 | 901.1 | 897.0 | 884.2 | 847.0 | 784.2 | 709.3 | 632.9 |
| 27.5° | 900.4 | 885.5 | 870.7 | 886.9 | 893.0 | 894.3 | 886.9 | 843.0 | 781.5 | 701.1 | 619.4 |
| 30° | 909.2 | 893.0 | 880.8 | 894.3 | 894.3 | 901.8 | 886.2 | 836.2 | 758.6 | 673.5 | 583.6 |
| 32.5° | 893.0 | 889.6 | 900.4 | 913.9 | 917.3 | 917.3 | 882.8 | 813.9 | 720.1 | 616.7 | 526.2 |
| 35° | 873.4 | 881.5 | 912.6 | 918.6 | 918.6 | 903.8 | 861.9 | 774.8 | 662.6 | 548.5 | 483.6 |
| 37.5° | 871.4 | 884.2 | 918.6 | 911.2 | 899.1 | 871.4 | 810.6 | 706.5 | 580.9 | 510.0 | 451.9 |
| 40° | 884.9 | 897.0 | 917.3 | 890.3 | 861.2 | 818.0 | 745.1 | 617.4 | 531.6 | 478.2 | 413.4 |
| 42.5° | 876.8 | 888.3 | 888.9 | 849.1 | 807.9 | 749.1 | 652.5 | 545.1 | 495.8 | 437.7 | 369.5 |
| 45° | 816.0 | 817.3 | 814.6 | 772.1 | 729.5 | 668.7 | 566.0 | 509.3 | 456.6 | 389.7 | 271.5 |
| 47.5° | 616.7 | 614.0 | 624.1 | 612.0 | 614.0 | 577.5 | 514.0 | 467.4 | 404.6 | 273.6 | 82.4 |
| 50° | 543.1 | 539.7 | 529.6 | 518.8 | 508.0 | 490.4 | 460.7 | 410.7 | 291.8 | 85.8 | 2.7 |
| 52.5° | 291.1 | 307.3 | 339.1 | 387.7 | 406.0 | 404.6 | 382.3 | 304.0 | 91.9 | 0.7 | 0.0 |
| 55° | 94.6 | 93.2 | 104.0 | 122.9 | 168.9 | 194.5 | 202.6 | 103.3 | 2.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 2.0 | 6.8 | 17.6 | 23.0 | 1.4 | 0.0 | 0.7 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0° | 379.6 | 379.6 | 379.6 | 379.6 | 379.6 | 379.6 | 379.6 | 379.6 |
| 2.5° | 441.8 | 432.3 | 421.5 | 383.0 | 337.7 | 293.8 | 262.1 | 254.0 |
| 5° | 492.4 | 476.2 | 453.2 | 377.6 | 279.0 | 194.5 | 139.1 | 125.0 |
| 7.5° | 518.8 | 504.6 | 480.3 | 366.8 | 216.2 | 95.9 | 35.8 | 24.3 |
| 10° | 535.0 | 518.1 | 491.1 | 346.5 | 141.2 | 23.0 | 12.8 | 13.5 |
| 12.5° | 546.5 | 526.9 | 496.5 | 317.5 | 71.6 | 11.5 | 16.2 | 16.9 |
| 15° | 551.2 | 530.2 | 495.8 | 281.7 | 25.7 | 14.9 | 14.2 | 12.2 |
| 17.5° | 548.5 | 522.1 | 487.0 | 230.3 | 8.8 | 14.2 | 7.4 | 6.1 |
| 20° | 545.1 | 515.4 | 472.8 | 183.7 | 7.4 | 8.1 | 2.7 | 1.4 |
| 22.5° | 555.9 | 503.9 | 453.2 | 131.7 | 7.4 | 2.7 | 0.0 | 0.0 |
| 25° | 557.3 | 499.2 | 428.3 | 87.1 | 3.4 | 0.7 | 0.0 | 0.0 |
| 27.5° | 543.8 | 471.5 | 389.7 | 51.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 500.5 | 437.0 | 348.5 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 458.0 | 398.5 | 302.6 | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 424.2 | 358.7 | 252.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 382.3 | 311.4 | 187.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 338.4 | 251.3 | 93.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 264.1 | 119.6 | 9.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 101.3 | 10.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 70° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 75° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 80° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 |
| 82.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 85° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 |
| 87.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)